



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : H04L 12/28, 29/06</p>	A3	<p>(11) International Publication Number: WO 99/35856</p> <p>(43) International Publication Date: 15 July 1999 (15.07.99)</p>		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p>(21) International Application Number: PCT/US98/26166</p> <p>(22) International Filing Date: 9 December 1998 (09.12.98)</p> <p>(30) Priority Data: 09/003,252 6 January 1998 (06.01.98) US</p> <p>(71) Applicant: SONY ELECTRONICS, INC. [US/US]; 1 Sony Drive, Park Ridge, NJ 07656 (US).</p> <p>(72) Inventor: LEA, Rodger, J.; 210 & 1/2 16th Street, San Jose, CA 95113 (US).</p> <p>(74) Agents: GALLENSON, Mavis, S. et al.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036-5679 (US).</p> </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 26 August 1999 (26.08.99)</p> </td> </tr> </table>			<p>(21) International Application Number: PCT/US98/26166</p> <p>(22) International Filing Date: 9 December 1998 (09.12.98)</p> <p>(30) Priority Data: 09/003,252 6 January 1998 (06.01.98) US</p> <p>(71) Applicant: SONY ELECTRONICS, INC. [US/US]; 1 Sony Drive, Park Ridge, NJ 07656 (US).</p> <p>(72) Inventor: LEA, Rodger, J.; 210 & 1/2 16th Street, San Jose, CA 95113 (US).</p> <p>(74) Agents: GALLENSON, Mavis, S. et al.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036-5679 (US).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 26 August 1999 (26.08.99)</p>
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<p>(54) Title: AN AUDIO VIDEO NETWORK</p> <p>(57) Abstract</p> <p>A method and system for providing seamless interoperability and integration between a plurality of devices in a network using a common protocol, wherein at least one of the devices is a legacy device which communicates with the network using a proprietary protocol. When a legacy device is coupled to the network, one of the plurality of devices on the network queries the legacy device via the proprietary protocol to determine a set of basic capabilities supported by the legacy device. The set of basic capabilities are then mapped from the proprietary protocol to a set of basic commands from the common protocol. A control module is generated for the legacy device, wherein the control module is based upon the set of basic commands. The set of basic capabilities of the legacy device are then accessed via the control module, thereby providing seamless interoperability and integration of the legacy device with the plurality of devices.</p>				
<div style="text-align: right;"> <pre> graph TD 1601[Add a Legacy Device to a HAVI Network] --> 1602[Query the Legacy Device to Determine a Set of Basic Capabilities] 1602 --> 1603[Map a Set of Basic Commands to the Set of Basic Capabilities of the Legacy Device] 1603 --> 1604[Generate a Level 1 DCM for the Legacy Device Based Upon the Set of Basic Commands] 1604 --> 1605[Access the Legacy Device via the Level 1 DCM] 1605 --> 1606([Continue]) </pre> </div>				

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/26166

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 H04L12/28 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04L H04N H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CHILD J: "INTELLIGENT HOME TECHNOLOGY LOOKS FOR LEVERAGE FROM RELATED MARKETS" COMPUTER DESIGN, vol. 36, no. 12, 1 December 1997, pages 85-87, XP000754856 see page 87, middle column, line 30 - right-hand column, line 34 ---	1,5,15
A	EVANS G: "CEBus. Defining the future of residential communications" AUSTRALIAN ELECTRONICS ENGINEERING, MARCH 1997, REED BUSINESS PUBLISHING, AUSTRALIA, vol. 30, no. 3, pages 34-36, 38. XP002105591 ISSN 0004-9042 see page 36, left-hand column, line 10 - middle column, line 7 see page 38, left-hand column, line 4-10 --- -/--	1,5,15



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Patent family members are listed in annex.

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Date of the actual completion of the international search

11 June 1999

Date of mailing of the international search report

08/07/1999

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International Application No

PCT/US 98/26166

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 467 587 A (TOKYO SHIBAURA ELECTRIC CO) 22 January 1992 see column 1, line 11-42 see column 2, line 55 - column 5, line 5 -----	1, 5, 15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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		KR 121329 B	20-11-1997
		US 5473317 A	05-12-1995
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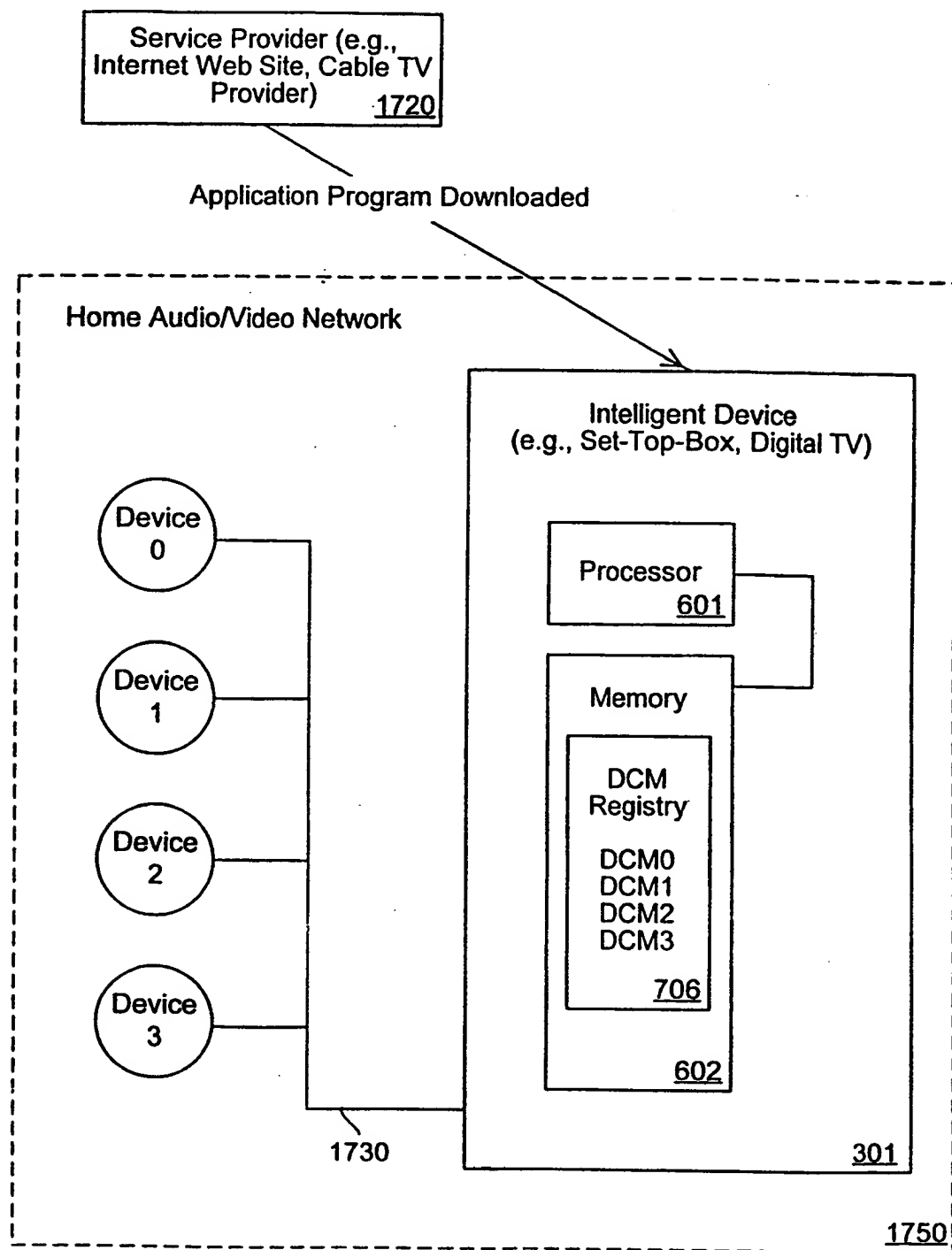


FIG. 17B